

## DESCRIPTION/SPECIFICATIONS/INTERFACE DIMENSIONS

N series RF connectors are high quality medium size connectors for coaxial cables from .350" to 450" OD, however designs accommodate .078" to .875" cables. The N connector is a 50 ohm constant impedance connector. VSWR is consistently low across its frequency range of 0 to 11 GHz. The mating face uses an air dielectric section. There is a 70 ohm constant impedance version (noted in the listings). The 70 ohm connector will not mate with the 50 ohm connector.

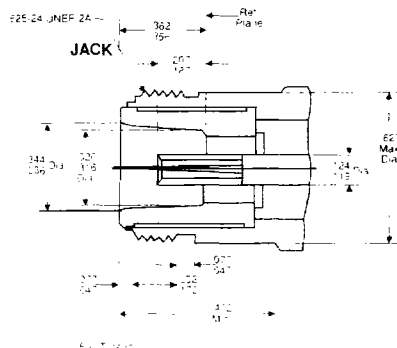
The N connector is a weatherproof unit and with its threaded coupling incurs low noise and withstands shock and vibration.

The N connector is the most popular medium size connector, widely used in test equipment. Items qualified to MIL-PRF-39012 are included in the listings and also appear in the latest QPL list for MIL-PRF-39012.

| CABLE GROUPS – RG/U, M17 |     |                                                                           |  |
|--------------------------|-----|---------------------------------------------------------------------------|--|
| D                        |     | 58* 58A* 58C 141, 141A, M17:28-RG58.<br>M17:111-RG303                     |  |
| E                        | E-1 | 55A 142, 142A 223 400 M17:84-RG223<br>M17:60-RG142, M17:128-RG400         |  |
|                          | E-2 | 55*, 55B* 142B, M17:84-RG223, M17:60-RG142                                |  |
| G                        | G-1 | 59 59A, 59B, 62, 62A 62B, 62C 210<br>M17:29-RG59 M17:30-RG62 M17:97-RG210 |  |
|                          | G-2 | 71, 71A 71B M17:90-RG71                                                   |  |
| K                        | K-1 | 5 5A 5B, 21 21A M17:73-RG212, M17:162-00001                               |  |
|                          | K-2 | 5, 6A M17:2-RG6                                                           |  |
|                          | K-3 | 143 143A, 212, 222, M17:112-RG304<br>M17:73-RG212, M17:162-00001          |  |
| M                        | M-1 | 8 BA 213 M17:74-RG213                                                     |  |
|                          | M-2 | 11, 11A, M17:6-RG11                                                       |  |
| N                        | N-1 | 9 9A 9B, 214, M17:75-RG214                                                |  |
|                          | N-2 | 13A 215 M17:77-RG216                                                      |  |
|                          | N-3 | 225 M17:127-RG393                                                         |  |
| P                        |     | 393, M17:127-RG393                                                        |  |
| R                        |     | 14 14A, 217, 224A, M17:78-RG217,<br>M17:165-00002                         |  |
| T                        |     | 17A 218 (219), M17:79-RG218<br>M17:79-RG219                               |  |
| UT                       |     | 10 12 215 M17:74-RG215, M17:6-RG12                                        |  |

\*For these cables, crimping the center contact is not recommended when crimp contact is indicated.

†Armored.



## SPECIFICATIONS

## ELECTRICAL

|                                                     |                      |
|-----------------------------------------------------|----------------------|
| Normal Impedance                                    | 50 ohms              |
| Frequency Range                                     | 0 to 11 GHz          |
| Voltage Rating                                      | 1000 volts rms       |
| Dielectric Withstanding Voltage                     | 2500 volts rms       |
| Insulation Resistance                               | 5000 megohms         |
| VSWR (MIL-PRF-39012 cable connectors)               | 1.30 max. 5-11 GHz   |
| Contact Resistance (MIL-PRF-39012 cable connectors) |                      |
| Center Contacts                                     | 1.0 milliohms        |
| Outer Contacts (silver plate)                       | 2 milliohms          |
| Insertion Loss (MIL-PRF-39012 cable connectors)     | .15 dB max. at 9 GHz |

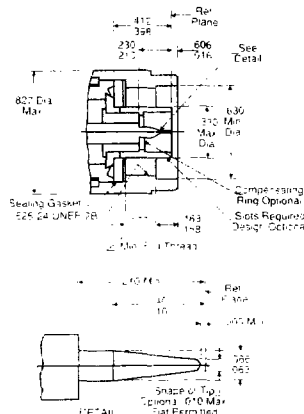
## ENVIRONMENTAL

|                        |                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------|
| Temperature Range      | PTFE Insulators<br>-85 F to +329 F<br>(-65°C to +165°C)                                           |
|                        | <i>Resolite Insulators:</i><br>-67 F to +185 F<br>(-55°C to +85°C)                                |
| Vibration              | MIL-STD-202 Method<br>204, test condition B                                                       |
| Shock                  | MIL-STD-202 Method<br>213, test condition I                                                       |
| Corrosion (salt spray) | MIL-STD-202 Method<br>101, test condition B                                                       |
| Moisture Resistance    | MIL-STD-202<br>Method 106                                                                         |
| Hermetic Seals         | Leakage shall not<br>exceed $1 \times 10^{-6}$ cc/sec<br>of tracer gas at<br>atmospheric pressure |
| Compression Seals      | Gasketed units show<br><i>no</i> leakage at 50 psi.                                               |

## INTERFACE

Per MIL-PRF-39012 or MIL-STD-348 as applicable

## PLUG



## MECHANICAL

|                          |                                                                                                                      |
|--------------------------|----------------------------------------------------------------------------------------------------------------------|
| Mating                   | .325-24 threaded coupling per MIL-PRF-39012 or MIL-STD-348 as applicable                                             |
| Cable Retention          |                                                                                                                      |
| Non-crimp                | 75 pounds min.                                                                                                       |
| Crimp                    | 50 to 90 lbs. depending on cable size                                                                                |
| Center Contact Retention | 15 lbs. min. axial force except 6 lbs. min. RG400 and RG142. Applicable to captivated center contact connectors only |
| Connector Durability     | 500 cycles min.                                                                                                      |

## MATERIAL

**Except as noted in connector listings**

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| Bodies & Fittings      | 1 Brass, ASTM-B-16<br>2 Stainless Steel,<br>ASTM-A-582 |
| Crimp Sleeves          | Commercial Bronze<br>Alloy 220                         |
| Male Center Contacts   | Brass, ASTM-B-16                                       |
| Female Center Contacts | Beryllium Copper<br>ASTM-B-196                         |
| Male Outer Contacts    | Phosphor Bronze<br>ASTM-B-139                          |
| Insulators             | PTFE ASTM D1457                                        |
| Gaskets & Seals        | Silicone Rubber, ZZ-R-<br>765a, Class IIA, Grade 50    |

## FINISHES

|                   |                                                                                                                                                                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contacts          | <p>1. Standard finish on all MIL-PRF-39012 items .00005 (.0012mm) min. hard gold plate per MIL-G-45204 over .00005 (.0012mm) min. nickel plate per QQ-N-290.</p> <p>2. All other items .00005 (.0012mm) min. hard gold plate per MIL-G-45204 over copper, unless otherwise specified.</p> |
| Bodies & Fittings | <p>1. Standard finish .0002" (.005mm) min. silver plate, electro-deposited per QQ-S-365A plus Kings TR-4 electrolytic chromate treatment.</p> <p>2. TR-5 - Kings tarnish resistant alloy electrodeposit finish.</p>                                                                       |

Specifications are typical for straight plug configurations designed to MIL-PRF-39012 and may not apply to all connectors.

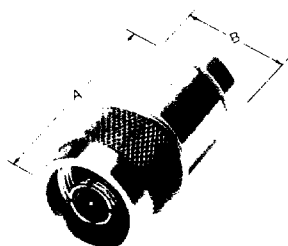


FIGURE 1

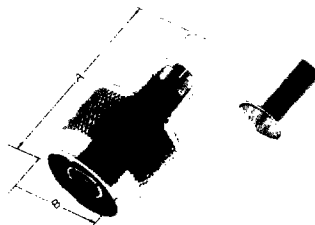


FIGURE 2

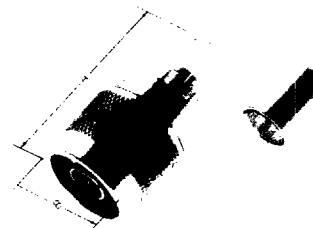


FIGURE 3

## CONVENTIONAL CONSTRUCTION

| CABLE GROUP | KINGS PART NUMBER           |             | MILITARY NUMBER (SILVER ONLY) | FIG. NO. | NOTES                      | DIMENSIONS |      |      |      | CABLING         |  |
|-------------|-----------------------------|-------------|-------------------------------|----------|----------------------------|------------|------|------|------|-----------------|--|
|             | SILVER FINISH (or as noted) | TR-5 FINISH |                               |          |                            | A          |      | B    |      | CABLE TRIM CODE |  |
|             |                             |             |                               |          |                            | in         | mm   | in   | mm   |                 |  |
| DE          | UG-534B/U                   |             |                               | 1        | Wire Holes                 | 1.40       | 35.6 | 0.78 | 19.8 | 1014            |  |
| DE          | UG-536C/U                   |             |                               | 1        |                            | 1.41       | 35.8 | 0.78 | 19.8 | 1014            |  |
| G           | UG-503A/U                   |             |                               | 1        |                            | 1.38       | 35.1 | 0.78 | 19.8 | 1015.3          |  |
| K           | KN-59-204                   |             | M39012-01-0101                | 1        | Captive Contact Wire Holes | 1.50       | 38.1 | 0.79 | 20.1 | 1016            |  |
| MN          | KN-59-175                   |             | M39012-01-0005                | 1        | Captive Contact Wire Holes | 1.50       | 38.1 | 0.79 | 20.1 | 1016            |  |
| MN          | UG-210/U                    |             |                               | 1        | Wire Holes                 | 1.50       | 38.1 | 0.79 | 20.1 | 1024            |  |
| MN          | UG-21E/U                    |             |                               | 1        | Wire Holes                 | 1.50       | 38.1 | 0.79 | 20.1 | 1024            |  |
| MN          | UG-1185/U                   |             |                               | 1        | Captive Contact Wire Holes | 1.50       | 38.1 | 0.78 | 19.8 | 1016            |  |
| T           | KN-59-205                   |             | M39012-01-0104                | 1        | Captive Contact Wire Holes | 2.21       | 56.1 | 1.31 | 33.3 | 1018            |  |

## K-GRIP, JR. CONSTRUCTION

| CABLE GROUP | KINGS PART NUMBER           |             | MILITARY NUMBER (SILVER ONLY) | FIG. NO. | NOTES                                           | DIMENSIONS |      |      |      | CABLING         |           |
|-------------|-----------------------------|-------------|-------------------------------|----------|-------------------------------------------------|------------|------|------|------|-----------------|-----------|
|             | SILVER FINISH (or as noted) | TR-5 FINISH |                               |          |                                                 | A          |      | B    |      | CABLE TRIM CODE | CRIMP DIE |
|             |                             |             |                               |          |                                                 | in         | mm   | in   | mm   |                 |           |
| D           |                             | KN-59-118   |                               | 2        | Wire Holes                                      | 1.45       | 36.8 | 0.78 | 19.8 | 415             | KTH-2001  |
| D           | 1205-19-6                   |             | M39012-01-0504                | 2        | Captive Contact Wire Holes                      | 1.50       | 38.1 | 0.78 | 19.8 | 489             | KTH-2042  |
| E-1         |                             | KN-59-122   |                               | 2        | Wire Holes                                      | 1.44       | 36.6 | 0.78 | 19.8 | 415             | KTH-2001  |
| E-1         | KN-59-242                   |             | M39012-01-0503                | 2        | Captive Contact Wire Holes                      | 1.50       | 38.1 | 0.78 | 19.8 | 489             | KTH-2042  |
| M           |                             | KN-59-132   |                               | 2        | Crimp Contact                                   | 1.32       | 33.5 | 0.78 | 19.8 | 402             | KTH-2003  |
| M-1         | KN-59-202                   | KN-59-201   | M39012-01-0502                | 2        | Captive Contact Wire Holes                      | 1.53       | 38.9 | 0.78 | 19.8 | 480             | KTH-2004  |
| N-1         |                             | KN-59-104   |                               | 2        | Crimp Contact Wire Holes                        | 1.32       | 33.5 | 0.78 | 19.8 | 402             | KTH-2004  |
| N-1 -3,P    | KN-59-239                   |             | M39012-01-0501                | 2        | Captive Contact Wire Holes                      | 1.53       | 38.9 | 0.78 | 19.8 | 480             | KTH-2004  |
| BELDEN 8214 |                             | KN-59-197   |                               | 3        | Weatherproof K-Grip Jr. Construction Wire Holes | 1.32       | 33.5 | 0.78 | 19.8 | 402             | KTH-2063  |

## ANGLE PLUGS

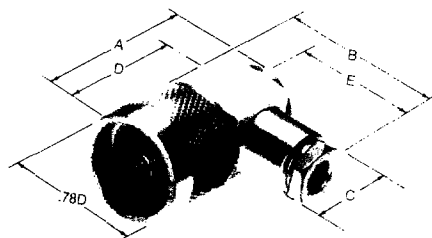


FIGURE 4

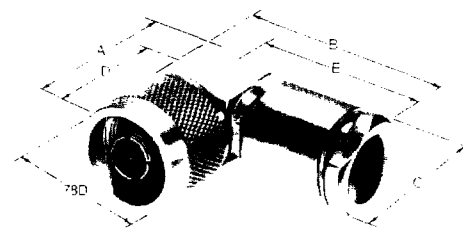


FIGURE 5

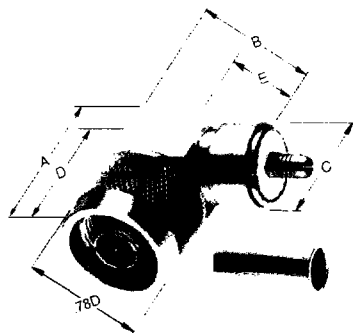


FIGURE 6

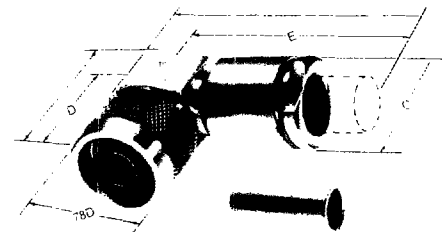


FIGURE 7

## CONVENTIONAL CONSTRUCTION

| CABLE GROUP | KINGS PART NUMBER |             | MILITARY NUMBER (SILVER ONLY) | FIG. NO. | NOTES                    | DIMENSIONS |      |      |      |      |      |      |      |      |      | CABLING        |           |
|-------------|-------------------|-------------|-------------------------------|----------|--------------------------|------------|------|------|------|------|------|------|------|------|------|----------------|-----------|
|             | SILVER FINISH     | TR-5 FINISH |                               |          |                          | A          |      | B    |      | C    |      | D    |      | E    |      | CBL. TRIM CODE | CRIMP DIE |
|             |                   |             |                               |          |                          | in         | mm   | in   | mm   | in   | mm   | in   | mm   | in   | mm   |                |           |
| DE          | KN-55-06          |             |                               | 4        | Wire Holes               | 1.37       | 34.8 | 1.21 | 30.7 | 0.50 | 12.7 | 1.01 | 25.7 | 0.82 | 20.8 | 1025           |           |
| M-1 N-1     | KN-55-230         |             | M39012/05-0101                | 5        | Capt. Cont. , Wire Holes | 1.38       | 35.1 | 1.72 | 43.7 | 0.75 | 19.1 | 1.00 | 25.4 | 1.33 | 33.8 | 1022           |           |
| M-1 N-1     | UC-55-05/U        |             |                               | 5        | Wire Holes               | 1.38       | 35.1 | 1.72 | 43.7 | 0.75 | 19.1 | 1.01 | 25.7 | 1.33 | 33.8 | 1022           |           |

## K-GRIP, JR. CONSTRUCTION

| CABLE GROUP              | KINGS PART NUMBER |             | MILITARY NUMBER (SILVER ONLY) | FIG. NO. | NOTES                              | DIMENSIONS |      |      |      |      |      |      |      |      |      | CABLING        |           |
|--------------------------|-------------------|-------------|-------------------------------|----------|------------------------------------|------------|------|------|------|------|------|------|------|------|------|----------------|-----------|
|                          | SILVER FINISH     | TR-5 FINISH |                               |          |                                    | A          |      | B    |      | C    |      | D    |      | E    |      | CBL. TRIM CODE | CRIMP DIE |
|                          |                   |             |                               |          |                                    | in         | mm   | in   | mm   | in   | mm   | in   | mm   | in   | mm   |                |           |
| E-1                      | KN-55-245         |             | M39012/05-0503                | 6        | Capt. Cont. , Wire Holes           | 1.34       | 34.0 | 2.10 | 53.3 | 0.66 | 16.8 | 1.01 | 25.7 | 1.71 | 43.4 | 489            | KTH-2042  |
| M-1                      | KN-55-244         |             | M39012/05-0502                | 6        | Capt. Cont. , Wire Holes           | 1.34       | 34.0 | 2.14 | 54.4 | 0.66 | 16.8 | 1.01 | 25.7 | 1.71 | 43.4 | 480            | KTH-2004  |
| N-1, -3, P               | KN-55-243         |             | M39012/05-0501                | 6        | Capt. Cont., Wire Holes            | 1.34       | 34.0 | 2.14 | 54.4 | 0.66 | 16.8 | 1.01 | 25.7 | 1.75 | 44.5 | 480            | KTH-2004  |
| N-1                      | KN-55-53          |             |                               | 7        | K-Grip Construction, Crimp Contact | 1.38       | 35.1 | 1.66 | 42.2 | 0.75 | 19.1 | 1.01 | 25.7 | 1.27 | 32.3 | 211A           | KTH-2004  |
| RG-58, 58A, 58C 141 141A | KN-55-150         |             |                               | NS       | Weatherproof K-Grip, Jr.           |            |      |      |      |      |      |      |      |      |      | CP-403         | KTH-2061  |

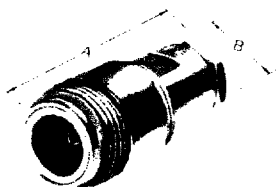


FIGURE 8

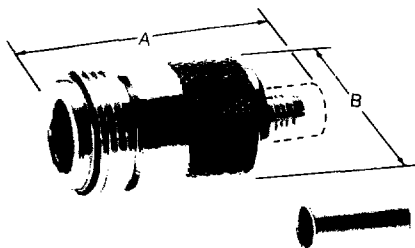


FIGURE 9

| CONVENTIONAL CONSTRUCTION |                   |             |                               |          |                  |            |      |      |      |                 |           |
|---------------------------|-------------------|-------------|-------------------------------|----------|------------------|------------|------|------|------|-----------------|-----------|
| CABLE GROUP               | KINGS PART NUMBER |             | MILITARY NUMBER (SILVER ONLY) | FIG. NO. | NOTES            | DIMENSIONS |      |      |      | CABLING         |           |
|                           | SILVER FINISH     | TR-5 FINISH |                               |          |                  | A          |      | B    |      | CABLE TRIM CODE | CRIMP DIE |
|                           |                   |             |                               |          |                  | in         | mm   | in   | mm   |                 |           |
| MN                        | KN-39-88          |             | M39012/02-0003                | 8        | Captive Contact. | 1.58       | 40.1 | 0.75 | 19.1 | 1016            |           |
| MN                        | UG-230/U          |             |                               | 8        |                  | 1.58       | 40.1 | 0.75 | 19.1 | 1024            |           |
| MN                        | UG-1186/U         |             |                               | 8        | Captive Contact. | 1.58       | 40.1 | 0.75 | 19.1 | 1016            |           |

| K-GRIP, JR. CONSTRUCTION |                   |             |                               |          |                  |            |      |      |      |                 |           |
|--------------------------|-------------------|-------------|-------------------------------|----------|------------------|------------|------|------|------|-----------------|-----------|
| CABLE GROUP              | KINGS PART NUMBER |             | MILITARY NUMBER (SILVER ONLY) | FIG. NO. | NOTES            | DIMENSIONS |      |      |      | CABLING         |           |
|                          | SILVER FINISH     | TR-5 FINISH |                               |          |                  | A          |      | B    |      | CABLE TRIM CODE | CRIMP DIE |
|                          |                   |             |                               |          |                  | in         | mm   | in   | mm   |                 |           |
| D                        |                   | KN-39-46    |                               | 9        |                  | 1.48       | 37.6 | 0.63 | 16.0 | 415             | KTH-2001  |
| E-1                      | KN-39-86          |             | M39012-02-0503                | 9        | Captive Contact  | 1.58       | 40.1 | 0.63 | 16.0 | 489             | KTH-2042  |
| M                        |                   | KN-39-52    |                               | 9        |                  | 1.41       | 35.8 | 0.63 | 16.0 | 433             | KTH-2003  |
| N-1 -3                   | KN-39-83          |             | M39012/02-0501                | 9        | Captive Contact. | 1.61       | 40.9 | 0.63 | 16.0 | 480             | KTH-2004  |

## BULKHEAD JACKS

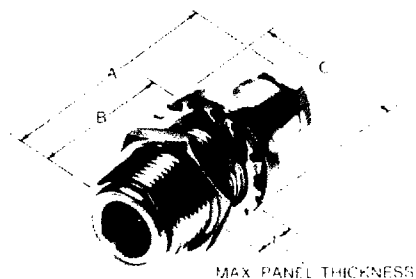


FIGURE 10

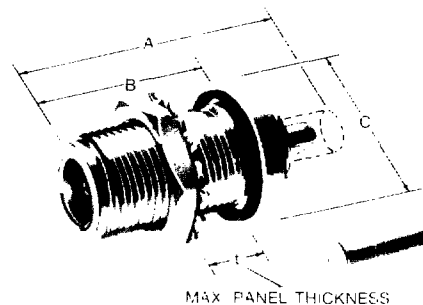
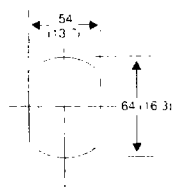


FIGURE 11



MTG. HOLE A

## CONVENTIONAL CONSTRUCTION

| CABLE<br>GROUP | KINGS PART NUMBER |                | MILITARY<br>NUMBER<br>(SILVER ONLY) | FIG.<br>NO. | NOTES                   | DIMENSIONS |      |      |      |      |      |      |     |              |                      | CABLING |  |
|----------------|-------------------|----------------|-------------------------------------|-------------|-------------------------|------------|------|------|------|------|------|------|-----|--------------|----------------------|---------|--|
|                | SILVER<br>FINISH  | TR-5<br>FINISH |                                     |             |                         | A          |      | B    |      | C    |      | t    |     | MTG.<br>HOLE | CBL.<br>TRIM<br>CODE |         |  |
|                |                   |                |                                     |             |                         | in         | mm   | in   | mm   | in   | mm   | in   | mm  |              |                      |         |  |
| DE             | UG-5588/U         |                |                                     | 10          | Rear Mounting           | 1.68       | 42.7 | 0.92 | 23.4 | 0.81 | 20.6 | 0.32 | 8.1 | A            | 1019                 |         |  |
| E              | KN-19-42          |                |                                     | 10          | Rear Mtg. O-Ring Seal   | 1.43       | 36.3 | 0.92 | 23.4 | 0.88 | 22.4 | 0.34 | 8.6 | A            | 1021                 |         |  |
| MN             | KN-19-114         |                | M39012/03-0012                      | 10          | Rear Mtg. Captive Cont. | 1.77       | 45.0 | 0.92 | 23.4 | 0.88 | 22.4 | 0.34 | 8.6 | A            | 1016                 |         |  |
| MN             | UG-190CA/U        |                |                                     | 10          | Rear Mounting           | 1.78       | 45.2 | 0.92 | 23.4 | 0.88 | 22.4 | 0.34 | 8.6 | A            | 10 24                |         |  |

## K-GRIP, JR. CONSTRUCTION

| CABLE GROUP | KINGS PART NUMBER |             | MILITARY NUMBER (SILVER ONLY) | FIG. NO. | NOTES                   | DIMENSIONS |      |      |      |      |      |       |     |           |                | CABLING   |  |
|-------------|-------------------|-------------|-------------------------------|----------|-------------------------|------------|------|------|------|------|------|-------|-----|-----------|----------------|-----------|--|
|             | SILVER FINISH     | TR-5 FINISH |                               |          |                         | A          |      | B    |      | C    |      | t     |     | MTG. HOLE | CBL. TRIM CODE | CRIMP DIE |  |
|             |                   |             |                               |          |                         | in         | mm   | in   | mm   | in   | mm   | in    | mm  |           |                |           |  |
| E-1         | KN-19-151         |             | M39012/03-0503                | 11       | Rear Mtg. Captive Cont. | 1.78       | 45.2 | 0.92 | 23.4 | 0.88 | 22.4 | 0.324 | 8.2 | A         | 489            | KTH-2042  |  |
| NP          | KN-19-149         |             | M39012/03-0501                | 11       | Rear Mtg. Captive Cont. | 1.82       | 46.2 | 0.92 | 23.4 | 0.88 | 22.4 | 0.324 | 8.2 | A         | 480            | KTH-2004  |  |



FIGURE 12

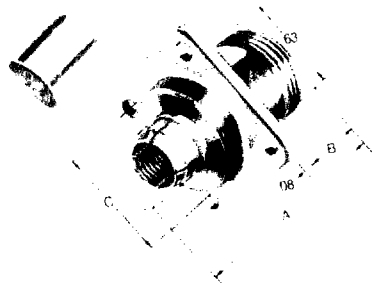
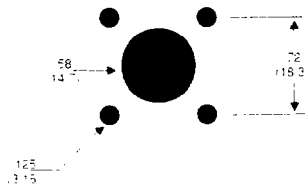
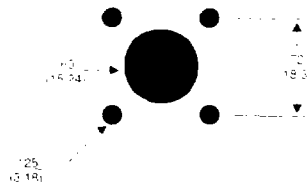


FIGURE 13



MTG. HOLE A



MTG. HOLE C

| CONVENTIONAL CONSTRUCTION |                   |             |                               |          |                |            |      |      |      |      |     |      |      |           |                |           |
|---------------------------|-------------------|-------------|-------------------------------|----------|----------------|------------|------|------|------|------|-----|------|------|-----------|----------------|-----------|
| CABLE GROUP               | KINGS PART NUMBER |             | MILITARY NUMBER (SILVER ONLY) | FIG. NO. | NOTES          | DIMENSIONS |      |      |      |      |     |      |      | CABLING   |                |           |
|                           | SILVER FINISH     | TR-5 FINISH |                               |          |                | A          |      | B    |      | C    |     | t    |      | MTG. HOLE | CBL. TRIM CODE | CRIMP DIE |
|                           |                   |             |                               |          |                | in         | mm   | in   | mm   | in   | mm  | in   | mm   |           |                |           |
| DE                        | UG-10050/U        |             |                               | 12       |                | 1.42       | 36.1 | 0.54 | 13.7 | 0.08 | 2.0 | 0.54 | 13.7 | A         | 1015           |           |
| MN                        | KN-10-110         |             | M39012/02-0006                | 12       | Captive Cont.. | 1.58       | 40.1 | 0.54 | 13.7 | 0.08 | 2.0 | 0.75 | 19.1 | A         | 1016           |           |

| K-GRIP, JR. CONSTRUCTION |                   |             |                               |          |                       |            |      |      |      |           |                |           |      |         |     |          |
|--------------------------|-------------------|-------------|-------------------------------|----------|-----------------------|------------|------|------|------|-----------|----------------|-----------|------|---------|-----|----------|
| CABLE GROUP              | KINGS PART NUMBER |             | MILITARY NUMBER (SILVER ONLY) | FIG. NO. | NOTES                 | DIMENSIONS |      |      |      |           |                |           |      | CABLING |     |          |
|                          | SILVER FINISH     | TR-5 FINISH |                               |          |                       | A          | B    | C    | t    | MTG. HOLE | CBL. TRIM CODE | CRIMP DIE |      |         |     |          |
|                          |                   |             |                               |          |                       |            |      |      |      |           |                |           | in   | mm      | in  | mm       |
| E-1                      | KN-10-140         |             | M39012/02-0513                | 13       | Crimp & Captive Cont. | 1.58       | 40.1 | 0.54 | 13.7 | 0.08      | 2.0            | 0.54      | 13.7 | C       | 489 | KTH-2042 |

# BULKHEAD RECEPTACLES PANEL RECEPTACLES

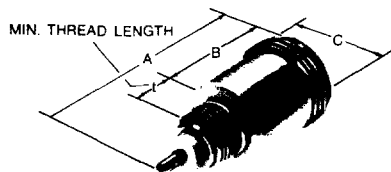


FIGURE 14

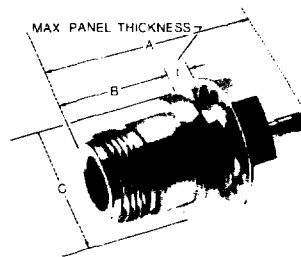


FIGURE 15

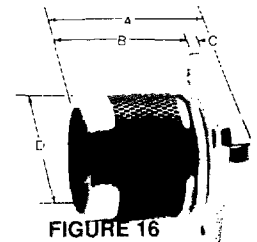


FIGURE 16

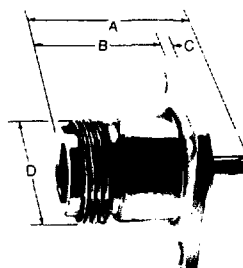


FIGURE 17

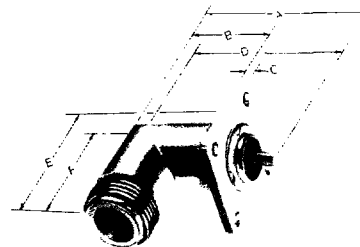
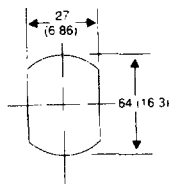
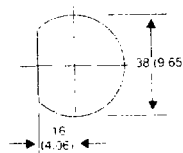


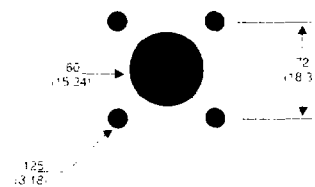
FIGURE 18



MTG. HOLE A



MTG. HOLE B



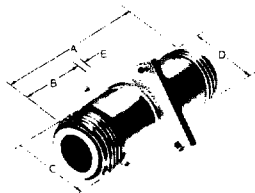
MTG. HOLE C

## BULKHEAD RECEPTACLES

| KINGS PART NUMBER            |                | MILITARY<br>NUMBER<br>(SILVER ONLY) | FIG.<br>NO. | NOTES                    | DIMENSIONS |      |      |      |      |      |    |    |    |    |       |     |   |
|------------------------------|----------------|-------------------------------------|-------------|--------------------------|------------|------|------|------|------|------|----|----|----|----|-------|-----|---|
| SILVER<br>FINISH<br>(M39012) | TR-5<br>FINISH |                                     |             |                          | A          |      | B    |      | C    |      | D  |    | E  |    | F     |     | t |
| in                           | mm             |                                     |             |                          | in         | mm   | in   | mm   | in   | mm   | in | mm | in | mm | in    | mm  |   |
| KN-79-93                     |                |                                     | 14          | Mtg. Hdwr. Not Supplied  | 1.28       | 32.5 | 0.70 | 17.8 | 0.63 | 16.0 |    |    |    |    | 0.262 | 6.7 | B |
|                              |                | M39012/04-0001                      | 15          | Hermetic Seal, Front Mt. | 1.61       | 40.9 | 0.71 | 18.0 | 0.81 | 20.6 |    |    |    |    | 0.263 | 6.7 | A |
|                              |                |                                     | 15          | Hermetic Seal, Front Mt. | 1.61       | 40.9 | 0.71 | 18.0 | 0.81 | 20.6 |    |    |    |    | 0.194 | 4.9 | A |

## PANEL RECEPTACLES

| KINGS PART NUMBER            |                | MILITARY<br>NUMBER<br>(SILVER ONLY) | FIG.<br>NO.    | NOTES       | DIMENSIONS |      |      |      |      |      |      |      |      |      |      |      |   |
|------------------------------|----------------|-------------------------------------|----------------|-------------|------------|------|------|------|------|------|------|------|------|------|------|------|---|
| SILVER<br>FINISH<br>(M39012) | TR-5<br>FINISH |                                     |                |             | A          |      | B    |      | C    |      | D    |      | E    |      | F    |      | t |
| in                           | mm             |                                     |                |             | in         | mm   | in   | mm   | in   | mm   | in   | mm   | in   | mm   | in   | mm   |   |
|                              |                | KN-79-45-M06                        | 16             | Male        | 1.11       | 28.2 | 0.74 | 18.8 | 0.08 | 2.0  | 0.76 | 19.3 |      |      |      |      | C |
|                              |                | KN-79-85                            | M39012/04-0002 | 17          |            | 1.13 | 28.7 | 0.66 | 16.8 | 0.08 | 2.0  | 0.63 | 16.0 |      |      |      | C |
|                              |                |                                     | 17             |             | 1.12       | 28.4 | 0.66 | 16.8 | 0.08 | 2.0  | 0.63 | 16.0 |      |      |      |      | C |
|                              |                |                                     | 18             | Right Angle | 1.46       | 37.1 | 1.00 | 25.3 | 0.08 | 2.0  | 1.15 | 29.2 | 1.41 | 35.8 | 0.81 | 23.1 | C |

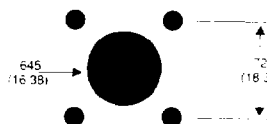
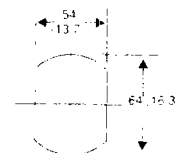
**ADAPTERS WITHIN SERIES**

**FIGURE 19**

**FIGURE 20**

**FIGURE 21**

**FIGURE 22**

**FIGURE 23**

**FIGURE 24**

**MTG. HOLE A**

**MTG. HOLE B**
**ADAPTERS WITHIN SERIES**

| KINGS PART NUMBER                 |                | MILITARY<br>NUMBER<br>(SILVER ONLY) | FIG.<br>NO. | ADAPTER<br>ENDS | NOTES         | DIMENSIONS |      |      |      |      |      |      |      |      |     |       |     |    |    |              |
|-----------------------------------|----------------|-------------------------------------|-------------|-----------------|---------------|------------|------|------|------|------|------|------|------|------|-----|-------|-----|----|----|--------------|
| SILVER<br>FINISH<br>(or as noted) | TR-5<br>FINISH |                                     |             |                 |               | A          |      | B    |      | C    |      | D    |      | E    |     | F     |     | t  |    | MTG.<br>HOLE |
|                                   |                |                                     |             |                 |               | In         | mm   | In   | mm   | In   | mm   | In   | mm   | In   | mm  | In    | mm  | In | mm |              |
| KN-98-14                          |                |                                     | 19          | Jck-Jck         |               | 1.75       | 44.5 | 0.81 | 20.6 | 0.63 | 16.0 | 0.63 | 16.0 | 0.08 | 2.0 |       |     | A  |    |              |
| UG-27CAU                          |                |                                     | 20          | Pig-Jck         | Right Angle   | 1.32       | 33.5 | 1.37 | 34.8 | 1.01 | 25.7 | 0.88 | 24.9 |      |     |       |     |    |    |              |
| UG-27DAU                          |                |                                     | 20          | Pig-Jck         | Cntr. Cntr.   | 1.32       | 33.5 | 1.37 | 34.8 | 1.01 | 25.7 | 0.88 | 24.9 |      |     |       |     |    |    |              |
| UG-30EAU                          |                |                                     | 21          | Jck-Jck         | Hermetic Seal | 1.54       | 39.1 | 0.88 | 21.8 | 0.88 | 22.4 | 0.88 | 24.9 |      |     | 0.262 | 6.7 | B  |    |              |
| UG-57EAU                          |                |                                     | 22          | Pig-Pig         |               | 1.60       | 40.6 | 0.75 | 19.0 |      |      |      |      |      |     |       |     |    |    |              |
| 1200-10                           |                | M55339/03-00027                     | 20          | Pig-Jck         | Right Angle   | 1.18       | 30.0 | 1.37 | 35.1 | 0.90 | 22.9 | 0.88 | 24.9 |      |     |       |     |    |    |              |
| 1200-12                           |                | M55339/04-00030                     | 23          | Jck-Jck         | Hermetic Seal | 1.54       | 39.1 | 0.88 | 21.8 | 0.88 | 22.4 | 0.75 | 19.1 |      |     | 0.285 | 7.2 | B  |    |              |
| 1200-13                           |                | M55339/07-00029                     | 24          | Jck-Jck         |               | 1.75       | 44.5 | 0.81 | 19.0 |      |      |      |      |      |     |       |     |    |    |              |
| 1200-14                           |                | M55339/04-00001                     | 21          | Jck-Jck         | O-Ring Seal   | 1.54       | 39.1 | 0.88 | 21.8 | 0.88 | 22.4 | 0.75 | 19.1 |      |     | 0.285 | 7.2 | B  |    |              |

# TERMINATIONS ACCESSORIES

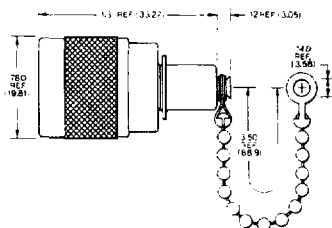


FIGURE 26

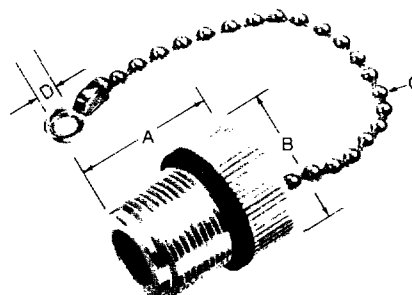


FIGURE 27

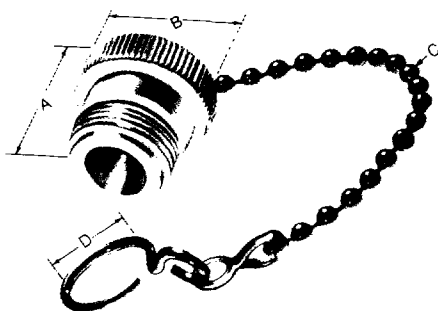


FIGURE 28

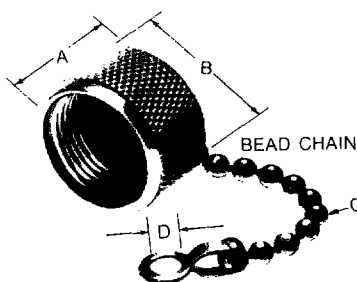


FIGURE 29

| TERMINATIONS      |                |                                     |             |                    |                     |            |    |    |    |
|-------------------|----------------|-------------------------------------|-------------|--------------------|---------------------|------------|----|----|----|
| KINGS PART NUMBER |                | MILITARY<br>NUMBER<br>(SILVER ONLY) | FIG.<br>NO. | DESCRIPTION        | NOTES               | DIMENSIONS |    |    |    |
| SILVER<br>FINISH  | TR-5<br>FINISH |                                     |             |                    |                     | A          | B  | C  | D  |
|                   |                |                                     |             |                    |                     | in         | mm | in | mm |
|                   | 1385-7-35      |                                     | 26          | Male without Chain | 75ohm, 1%, 1/2 watt |            |    |    |    |

| ACCESSORIES       |                |                                     |             |                              |       |            |      |      |      |      |       |      |      |
|-------------------|----------------|-------------------------------------|-------------|------------------------------|-------|------------|------|------|------|------|-------|------|------|
| KINGS PART NUMBER |                | MILITARY<br>NUMBER<br>(SILVER ONLY) | FIG.<br>NO. | DESCRIPTION                  | NOTES | DIMENSIONS |      |      |      |      |       |      |      |
| SILVER<br>FINISH  | TR-5<br>FINISH |                                     |             |                              |       | A          |      | B    |      | C    |       | D    |      |
|                   |                |                                     |             |                              |       | in         | mm   | in   | mm   | in   | mm    | in   | mm   |
| KN-88-05          |                |                                     | 27          | Cap - Female with Bead Chain |       | 0.95       | 24.1 | 0.75 | 19.1 | 4.38 | 111.3 | 0.14 | 3.6  |
| KN-88-12          |                |                                     | 28          | Cap - Female with Bead Chain |       | 0.84       | 21.3 | 0.75 | 19.1 | 4.50 | 114.3 | 0.48 | 12.2 |
| KN-88-28          |                | M39012/25-0011                      | 29          | Cap - Male with Bead Chain   |       | 0.55       | 14.0 | 0.75 | 19.1 | 2.5  | 63.5  | 0.14 | 3.6  |
| KN-88-31          |                | M39012/25-0012                      | 29          | Cap - Male with Safety Chain |       | 0.55       | 14.0 | 0.75 | 19.1 | 3.75 | 95.3  | 0.54 | 16.4 |